Meghana Manchala, Squad 61

LinkedIn | Github | LeetCode | Portfolio

EDUCATION

Kalvium UG Program in Computer Science (Software Product Engineering)

Campus: Apollo Engineering College, Chittoor — **B.Tech 2023–2027**

TECHNICAL SKILLS

- **Languages**: Python, C++ – Intermediate
- **Web Technologies:** HTML, CSS, JavaScript, React.js, Node.js,ROR
- **Backend & APIs**: Express.js, FastAPI – Intermediate
- **Database:** MongoDB, Postgres Sql - Intermediate
- **Design & Tools**: Figma, Git, GitHub – Intermediate

PERSONAL STATEMENT

Motivated Computer Science student with strong skills in full stack development, REST APIs, and modern UI/UX design. Proven ability to deliver scalable, user-focused web applications. Eager to contribute to impactful projects through internships and collaborative work.

PROJECTS

Medi Connect – Full Stack Web Application (2024)
Tech: React.js, Node.js, Express, MongoDB
GitHub | Live Demo

Description:
- Designed and built an appointment scheduling app that improved patient booking efficiency by **50%**.
- Implemented responsive front-end using React and integrated backend REST APIs with Express and MongoDB.
- Ensured a seamless user experience with real-time feedback and secure form validation.
- Deployed frontend and backend on cloud platforms to support continuous integration.

Video Downloader Pro – YouTube Downloader (2025)
Tech: FastAPI, Python, JavaScript, yt-dlp
GitHub
- Created a responsive web app to download YouTube videos by pasting URLs, using FastAPI and yt-dlp.
- Built intuitive UI with HTML/CSS/JavaScript, improving usability and download success rate by **~90%**.
- Integrated real-time video status display and multi-format support for high user flexibility.

Secondary Projects: World Weaver (OOP Project - C++)
Tools: C++, OOP Design Patterns
GitHub
- Designed a modular C++ application enabling writers to construct fictional worlds with custom maps, cultural histories, and character relationships.
- Implemented Object-Oriented Programming principles such as inheritance, polymorphism, and encapsulation.
- Features include an interactive character builder, timeline editor, and relationship mapping tools.